

Assignment 8

Due: Wednesday, November 14

Submit all problems according to the choices given. Mark your choice clearly with 3 designators: Problem number and part as appearing in the assignment, and then the problem number in the book. Explain and justify *thoroughly* each step, using complete sentences. Write neatly, and staple your paper before submission.

- 1) Section 7.5 (all plots in this section should be qualitative hand-made sketches, as we did in class) -
  - a) One of 3,4.
  - b) One of 2,6.
  - c) One of 15,16.
  
- 2) Section 7.6 (all plots in this section should be qualitative hand-made sketches, as we did in class) -
  - a) One of 3,6.
  - b) One of 4,5,10.
  - c) 13 (part c) -just explain in words what the phase portrait is), 28a,b,d.
  
- 3) Section 7.8 -
  - a) One of 1,2,3,4.
  - b) One of 7,8,9,10.
  
- 4) Section 7.4 -
  - a) 4.
  
- 5) Section 7.7 -
  - a) 3,11.